

Brother Print SDK for Android Manual

Appendix Device Settings

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Revision History

Date	version	Details
2015/10/01	3.0.1	Compatible with Android Studio.
2015/12/24/	3.0.2	Compatible with the PJ-700 series. Added precautions for Android 6.0 compatibility.
2016/1/29/	3.0.3	Corrected paper information for the PJ series.
2016/4/4/	3.0.4	Compatible with the RJ-4030Ai, PT_D800W, PT_E800W, PT_E850TKW, PT_P900W,PT_P950NW
2016/10/5	3.0.5	Compatible with the RJ-2000 series.
2016/11/30	3.0.6	Compatible with the QL-800 series, RJ-3000Ai series
2017/07/07	3.0.7	Added Bluetooth auto reconnection function Fixed network setting function
2018/01/23	3.0.9	Compatible with the QL-1100 series.
2018/05/31	3.0.11	Compatible with the RJ-4230B series.
2018/09/11	3.0.13	Compatible with the RJ-4250WB.

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Introduction

This manual is the user guide and technical reference for the Brother Software Development Kit (SDK) for Android. Using this SDK, your Android application can print to Brother mobile printers.

This manual is intended for software developers who have experience developing Android applications.

Inquiry

For inquiries regarding solutions, contact Brother's offices in your country.

1. At the beginning

1.1. The list of supported models and interfaces

Model	USB	BLUETOOTH	NETWORK	BLUETOOTH LOW ENERGY
MW-140BT	no	no	no	no
MW-145BT	yes	yes	no	no
MW-260	no	no	no	no
MW-260 Type A	yes	yes	no	no
PJ-522	no	no	no	no
PJ-523	no	no	no	no
PJ-520	no	no	no	no
PJ-560	no	no	no	no
PJ-562	no	no	no	no
PJ-563	no	no	no	no
PJ-622	no	no	no	no
PJ-623	no	no	no	no
PJ-662	no	no	no	no
PJ-663	no	no	no	no
PJ-722	yes	no	no	no
PJ-723	yes	no	no	no
PJ-762	yes	yes	no	no
PJ-763	yes	yes	no	no
PJ-763MFi	yes	yes	no	no
PJ-773	yes	no	yes	no
RJ-4030	no	no	no	no
RJ-4040	no	no	no	no
RJ-4030Ai	yes	yes	no	no
RJ-3050	no	no	no	no
RJ-3150	no	no	no	no
RJ-3050Ai	yes	yes	yes	no
RJ-3150Ai	yes	yes	yes	no
RJ-2030	yes	no	yes	no
RJ-2050	yes	yes	yes	no
RJ-2140	yes	yes	no	no
RJ-2150	yes	yes	yes	no
RJ-4230B	yes	yes	no	yes
RJ-4250WB	yes	yes	yes	yes

TD-2020	no	no	no	no
TD-2120N	no	no	no	no
TD-2130N	no	no	no	no
TD-4000	no	no	no	no
TD-4100N	no	no	no	no
QL-710W	no	no	no	no
QL-720NW	no	no	no	no
QL-800	yes	no	no	no
QL-810W	yes	no	yes	no
QL-820NWB	yes	yes	yes	no
QL-1100	yes	no	no	no
QL-1110NWB	yes	yes	yes	no
QL-1115NWB	yes	yes	yes	no
PT-E550W	no	no	no	no
PT-P750W	no	no	no	no
MW-145MFi	yes	yes	no	no
MW-260MFi	yes	yes	no	no
PT_E850TKW	no	no	no	no
PT_D800W	no	no	no	no
PT_P900W	no	no	no	no
PT_P950NW	no	no	no	no

1.2.Attention

- It is necessary to enable Bluetooth adapter when you control Bluetooth setting.
- Bluetooth settings commands described in this document must NOT be used between startCommunication() and endCommunication() commands.
- As for MW-260, only “TypeA” is available.
- If you call API function (which is followed by * in the API list) in a thread, please do not call it again in other threads before it end. Because the printer cannot accept two connect requests at the same time.

2. How to implement

2.1. How to use API functions of SDK

2.1.1. Sample code for supporting Bluetooth settings

Import the library into source code.

```
import com.brother.ptouch.sdk.Printer;  
import com.brother.ptouch.sdk.PrinterInfo;  
import com.brother.ptouch.sdk.PrinterStatus;
```

The sample of Bluetooth settings

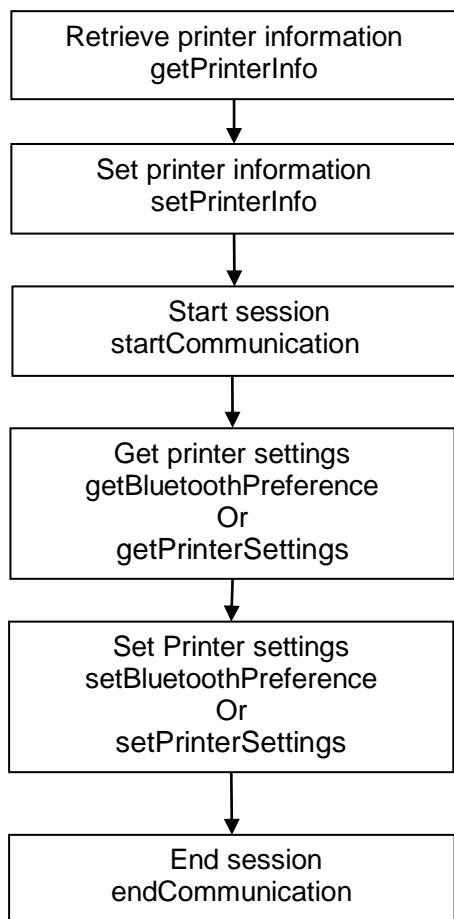
```
public void updateSettings(){  
    // define printer and printer setting information  
    Printer myPrinter = new Printer();  
    PrinterInfo myPrinterInfo = new PrinterInfo();  
  
    // Pass Bluetooth adapter to the library (Bluetooth only)  
    BluetoothAdapter bluetoothAdapter = BluetoothAdapter.getDefaultAdapter();  
    myPrinter.setBluetooth(bluetoothAdapter);  
    // Set printer information  
    myPrinterInfo = myPrinter.getPrinterInfo();  
    myPrinterInfo.printerModel = PrinterInfo.Model.MW_145;  
    ...  
    myPrinter.setPrinterInfo(myPrinterInfo);  
  
    // Set Bluetooth settings  
    PrinterStatus printResult = new PrinterStatus();  
    BluetoothPreference btPre = new BluetoothPreference();  
    btPre.enabledSsp = SSP.ENABLE;  
    myPrinter.startCommunication ();  
    printResult = myPrinter.setBluetoothPreference(btPref);  
    myPrinter.endCommunication();  
}
```

For more details, please check the source code of sample application and Android Developers site.

3.Processing Flow

Outline of a general flow of print processing.

3.1.Processing Flow of Setting Printer settings and Getting Printer settings



4. API Reference

4.1. com.brother.ptouch.sdk.Printer class

4.1.1. Public Method List

Setting methods	
boolean	setPrinterInfo(PrinterInfo printerInfo) Sets the printer information.
void	setBluetooth(BluetoothAdapter bluetoothAdapter) Passes Bluetooth adapter to the library (Bluetooth only).
UsbDevice	getUsbDevice(UsbManager usbManager) Get a connected USB device.(only for USB)
void	setMessageHandle(Handler handler, int MsgType) Passes message handler to the library (if you want to use the messages from the library).
boolean	startCommunication() Starts a session to update printer settings. Must be paired with endCommunication() .
boolean	endCommunication() Ends the session that was started with startCommunication() .

MW series setting methods	
PrinterStatus	updateBluetoothPreference(BluetoothPreference btPre) Updates Bluetooth settings of the target device
PrinterStatus	getBluetoothPreference(BluetoothPreference btPre) Gets Bluetooth settings from the target device.

*Only MW-145BT, MW-260 Type A, MW-145MFi and MW-260MFi are available.

*Do not call the function in different threads at the same time.

Setting methods	
PrinterStatus	updatePrinterSettings(Map<PrinterSettingItem,String> settings) Gets Printer settings from the target device.
PrinterStatus	getPrinterSettings(ArrayList<PrinterSettingItem>key,Map<PrinterSettingItem,String> settings) Updates Printer settings of the target device
String	getSystemReport()

*Do not call the function in different threads at the same time.

4.1.2. Method details

4.1.2.1. boolean setPrinterInfo([PrinterInfo](#) printerInfo)

[Interpretation]

Sets printer information.

[Argument]

printerInfo: Printer information class

[Return value]

true: Success

false: Failed

4.1.2.2. void setBluetooth(BluetoothAdapter bluetoothAdapter)

[Interpretation]

Passes Bluetooth adapter to the library (Bluetooth only).

[Argument]

bluetoothAdapter: Bluetooth adapter

[Return value]

None

4.1.2.3. void setMessageHandle(Handler handler, int MsgType)

[Interpretation]

Passes message handler to the library (if you want to use the messages from the library).

[Argument]

Handler: Message handler

MsgType: Identifies the messages

[Return value]

None

4.1.2.4. boolean startCommunication()

[Interpretation]

Starts a session to update printer settings. It is a function that needs to be called before executing the following functions.

updateBluetoothPreference

getBluetoothPreference

updatePrinterSettings

getPrinterSettings

getSystemReport

Must be paired with endCommunication().

[Argument]

None

[Return value]

Always true.

4.1.2.5. boolean endCommunication()

[Interpretation]

Ends the session that was started with startCommunication().

[Argument]

None

[Return value]

Always true.

4.1.2.6. `UsbDevice` `getUsbDevice(UsbManager usbManager)`

[Interpretation]

Gets a connected USB device.

[Argument]

usbManager: `android.hardware.usb.UsbManager`

[Return value]

UsbDevice: `UsbDevice` of Brother printer.

Null means no supported Brother printer is found.

4.1.2.7. [PrinterStatus](#) `getBluetoothPreference(BluetoothPreference btPre)`

[Interpretation]

Gets Bluetooth settings from the MW series

[Argument]

btPre: store the result

[Return value]

[Printer status](#)

[Reference]

[Processing Flow of Getting Printer settings](#)

[Note]

btPre is an output argument. Please set instantiated object of `BluetoothPreference`.

4.1.2.8. [PrinterStatus](#) `updateBluetoothPreference(BluetoothPreference btPre)`

[Interpretation]

Updates Bluetooth settings of the MW series

[Argument]

btPre: Bluetooth settings

[Return value]

[Printer status](#)

[Reference]

[Processing Flow of Setting Bluetooth settings](#)

[Note]

This method does not check if the request has been reflected on the device. Please check using [getBluetoothPreference\(\)](#).

4.1.2.9. [PrinterStatus](#) updatePrinterSettings(Map<[PrinterSettingItem](#),String> settings)

[Interpretation]

Update device settings of the PJ-7xx series/RJ-4030Ai/RJ-2xxx series/QL-8xx series/QL-11xx series /RJ-3 xxxAi series.

[Argument]

settings : Printer settings

[Return value]

[Printer status](#)

[Reference]

[Processing Flow of Setting Printer settings](#)

[Note]

The specified settings are not applied until the printer is restarted. Restart the printer. Confirm the values are properly applied by getPrinterSettings after the restart.
[Refer to 4.2.2.6.1 about supported printer and setting items.](#) Some combination of parameters may not be available.

4.1.2.10. [PrinterStatus](#) getPrinterSettings(ArrayList<[PrinterSettingItem](#)>keys, Map<[PrinterSettingItem](#),String>values)

[Interpretation]

Gets device settings of the PJ-7xx series/RJ-4030Ai/RJ-2xxx series/QL-8xx series/QL-11xx series /RJ-3 xxxAi series.

[Argument]

keys : Index of setting

values : stores the result

[Return value]

[Printer status](#)

[Note]

The argument “values” is an output argument. Please set instantiated object of Map<PrinterSettingItem,String>.

[Refer to 4.2.2.6.1 about supported printer and setting items.](#)

4.1.2.11. String getSystemReport()

【説明】

Get Self Print (System Report) string.

【引数】

None

【戻り値】

Self Print (System Report) string.

【注意】

* Don't support Network I/F.

4.2.com.brother.ptouch.sdk.PrinterInfo Class

4.2.1. Member Variable

Field		
Type	Variable Name	Detail
Model	printerModel	Printer model
Port	port	Interface
String	ipAddress	IP address (detail in 4.2.2.1)
String	macAddress	Mac address (detail in 4.2.2.2)

4.2.2.Details of Member Variable

4.2.2.1. Model

Printer Model

Refer to [The list of supported models and interfaces](#)

4.2.2.2. Port

Interface

Refer to [The list of supported models and interfaces](#)

4.2.2.3.How to set IP address and MAC address

Print by Bluetooth	
Searches the printer which matches the Mac address from Bluetooth paired printer list to print. If there is no match printer, it results in error of no printer found.	
Print by Wi-Fi	
Set both MAC address and IP address	Searches the printer which matches both Mac address and IP address from printer list connected with Wi-Fi access point to print. If there is no match printer, it results in error of ERROR_NO_MATCH_ADDRESS.
Set IP address and do not set MAC address	Searches the printer which matches IP address from printer list connected with Wi-Fi access point to print.
Set MAC address and do not set IP address	Searches the printer which matches MAC address from printer list connected with Wi-Fi access point to print.
Do not set both MAC address and IP address	It results in error of ERROR_NO_ADDRESS.

Set address: sets PrinterInfo.macAddress or PrinterInfo.ipAddress by address characters.

Do not set address: sets PrinterInfo.macAddress or PrinterInfo.ipAddress by null characters

4.2.2.4.PrinterSettingItem

key	Value
NET_BOOTMODE	Network Settings at power cycle 0: On by default 1: Off by default 2. Keep Current State
NET_INTERFACE	Selected Interface RJ-3X50Ai 1: Wireless LAN only 2: Wireless Direct only Other 1: Wireless LAN only 2: Wireless Direct only 3: Wireless LAN & Wireless Direct
NET_IPV4_BOOTMETHOD	Boot Method: 0:Auto 3:DHCP 5:Bootp 6:RARP 7:Static
NET_STATIC_IPV4ADDRESS	Static IP address For example:"167.0.0.1"
NET_SUBNETMASK	Subnet Mask For example:"255.255.255.0"
NET_GATEWAY	Gateway For example:"167.0.0.1"
NET_DNS_IPV4_BOOTMETHOD	DNS Server Method 2:Auto 1:Static
NET_PRIMARY_DNS_IPV4ADDRESS	Primary DNS Server Address For example:"167.0.0.1"
NET_SECOND_DNS_IPV4ADDRESS	Secondary DNS Server Address For example:"167.0.0.1"
NET_NODENAME	Node Name The Node Name is an alphanumeric string of 1-32 characters.
WIRESSDIRECT_KEY_CREATE_MODE	SSID/Network key Generation 1:AUTO 0:STATIC
WIRELESSDIRECT_SSID	SSID(Network Name)between 1 and 25 ASCII characters for the SSID You can only specify a setting when [STATIC] is selected as WIRELESSDIRECT_KEY_CREATE_MODE
WIRELESSDIRECT_NETWORK_KEY*1	Network Key The Node Name is an alphanumeric string of 1-63 characters. You can only specify a setting when [STATIC] is selected as

	WIRELESSDIRECT_KEY_CREATE_MODE
BT_ISDISCOVERABLE	Visible to Other Devices 0: Disable 1: Enable
BT_DEVICENAME	Bluetooth Device Name
BT_BOOTMODE	Bluetooth on Power On 0: On by default 1: Off by default 2. Keep Current State
BT_AUTO_CONNECTION	Automatic Bluetooth connection 0: Disable 1: Enable
PRINTER_POWEROFFTIME	Auto power on time PJ-7XX 0[None]/1/2/3/4/5/6/7/8/9/10/15/20/25/30/40/50/60/90/120minutes RJ-4XXX/QL-8XX/RJ-3X50Ai 0[None]/10/20/30/40/50/60minutes RJ-2XXX 0[None]/1/2/3/4/5/6/7/8/9 10/20/30/40/50/60minutes QL-11XX 0[None]/60/120/240/480/720minutes
PRINTER_POWEROFFTIME_BATTERY	Auto power on time(Li-ion) PJ-7XX 0[None]/1/2/3/4/5/6/7/8/9/10/15/20/25/30/40/50/60/90/120minutes QL-820NWB/QL-810W 0[None]/10/20/30/40/50/60/120minutes
PRINT_JPEG_HALFTONE	JPEG Printing Halftone mode 0: Simple Binary 1: Error Diffusion
PRINT_JPEG_SCALE	Scale the JPEG image to fit media 0: Disable 1: Enable
PRINT_DENSITY	Print Density Setting 0 (light)-10 (dark)
PRINT_SPEED	Print Speed Setting 0 (fast)-3(slow)

*Confirm [4.2.2.6.1 The list of supported Items and interfaces](#) by printer models.

*1: Write only

4.2.2.4.1. The list of supported Items and interfaces

Restart may be required depending on the setting.

PJ-773

PrinterSettingItem	USB	Network
NET_BOOTMODE	YES	YES
NET_INTERFACE	YES	YES *1
NET_IPV4_BOOTMETHOD	YES	YES
NET_STATIC_IPV4ADDRESS	YES	YES

NET_SUBNETMASK	YES	YES
NET_GATEWAY	YES	YES
NET_DNS_IPV4_BOOTMETHOD	YES	YES
NET_PRIMARY_DNS_IPV4ADDRESS	YES	YES
NET_SECOND_DNS_IPV4ADDRESS	YES	YES
NET_NODENAME	YES	YES
WIRELESSDIRECT_KEY_CREATE_MODE	YES	YES *1
WIRELESSDIRECT_SSID	YES	YES *1
WIRELESSDIRECT_NETWORK_KEY	YES *1	YES *1
PRINTER_POWEROFFTIME	YES	YES
PRINTER_POWEROFFTIME_BATTERY	YES	YES
PRINT_JPEG_HALFTONE	YES	YES *1
PRINT_JPEG_SCALE	YES	YES *1
PRINT_DENSITY	YES	YES *1
PRINT_SPEED	YES	YES *1

*1: Write only

PJ-762/763

PrinterSettingItem	USB	Bluetooth
BT_ISDISCOVERABLE	YES	YES
BT_DEVICENAME	YES	YES
BT_BOOTMODE	YES	YES
PRINTER_POWEROFFTIME	YES	YES
PRINTER_POWEROFFTIME_BATTERY	YES	YES
PRINT_JPEG_HALFTONE	YES	YES
PRINT_JPEG_SCALE	YES	YES
PRINT_DENSITY	YES	YES
PRINT_SPEED	YES	YES

PJ-763MFi

PrinterSettingItem	USB	Bluetooth
BT_ISDISCOVERABLE	YES	YES
BT_DEVICENAME	YES	YES
BT_BOOTMODE	YES	YES
BT_AUTO_CONNECTION	YES	YES
PRINTER_POWEROFFTIME	YES	YES
PRINTER_POWEROFFTIME_BATTERY	YES	YES
PRINT_JPEG_HALFTONE	YES	YES
PRINT_JPEG_SCALE	YES	YES
PRINT_DENSITY	YES	YES
PRINT_SPEED	YES	YES

PJ-722/723

PrinterSettingItem	USB
PRINTER_POWEROFFTIME	YES
PRINTER_POWEROFFTIME_BATTERY	YES
PRINT_JPEG_HALFTONE	YES
PRINT_JPEG_SCALE	YES
PRINT_DENSITY	YES
PRINT_SPEED	YES

RJ-4030Ai

PrinterSettingItem	USB	Bluetooth
BT_ISDISCOVERABLE	YES	YES
BT_DEVICENAME	YES	YES
BT_BOOTMODE	YES	YES
BT_AUTO_CONNECTION	YES	YES
PRINTER_POWEROFFTIME	YES	YES
PRINT_JPEG_HALFTONE	YES	YES
PRINT_DENSITY	YES	YES

RJ-2030

PrinterSettingItem	USB	Bluetooth
BT_ISDISCOVERABLE	YES	YES
BT_DEVICENAME	YES	YES
BT_BOOTMODE	YES	YES
PRINTER_POWEROFFTIME	YES	YES
PRINT_DENSITY	YES	YES
PRINT_SPEED	YES	YES

RJ-2040

PrinterSettingItem	USB	Network
NET_BOOTMODE	YES	YES
NET_INTERFACE	YES	YES *1
NET_IPV4_BOOTMETHOD	YES	YES
NET_STATIC_IPV4ADDRESS	YES	YES
NET_SUBNETMASK	YES	YES
NET_GATEWAY	YES	YES
NET_DNS_IPV4_BOOTMETHOD	YES	YES
NET_PRIMARY_DNS_IPV4ADDRESS	YES	YES
NET_SECOND_DNS_IPV4ADDRESS	YES	YES
NET_NODENAME	YES	YES
WIRELESSDIRECT_KEY_CREATE_MODE	YES	YES *1

WIRELESSDIRECT_SSID	YES	YES *1
WIRELESSDIRECT_NETWORK_KEY	YES *1	YES *1
PRINTER_POWEROFFTIME	YES	YES
PRINT_DENSITY	YES	YES *1
PRINT_SPEED	YES	YES *1

*1: Write only

RJ-2050/2150/3050Ai/3150Ai

PrinterSettingItem	USB	Bluetooth	Network
NET_BOOTMODE	YES	YES	YES
NET_INTERFACE	YES	YES	YES *1
NET_IPV4_BOOTMETHOD	YES	YES	YES
NET_STATIC_IPV4ADDRESS	YES	YES	YES
NET_SUBNETMASK	YES	YES	YES
NET_GATEWAY	YES	YES	YES
NET_DNS_IPV4_BOOTMETHOD	YES	YES	YES
NET_PRIMARY_DNS_IPV4ADDRESS	YES	YES	YES
NET_SECOND_DNS_IPV4ADDRESS	YES	YES	YES
NET_NODENAME	YES	YES	YES
WIRELESSDIRECT_KEY_CREATE_MODE	YES	YES	YES *1
WIRELESSDIRECT_SSID	YES	YES	YES *1
WIRELESSDIRECT_NETWORK_KEY	YES *1	YES *1	YES *1
BT_ISDISCOVERABLE	YES	YES	YES
BT_DEVICENAME	YES	YES	YES
BT_BOOTMODE	YES	YES	YES
BT_AUTO_CONNECTION	YES	YES	YES *1
PRINTER_POWEROFFTIME	YES	YES	YES
PRINT_DENSITY	YES	YES	YES *1
PRINT_SPEED	YES	YES	YES *1

*1: Write only

QL-800/QL-1100

PrinterSettingItem	USB
PRINTER_POWEROFFTIME	YES

QL-810W

PrinterSettingItem	USB	Network
NET_BOOTMODE	YES	YES
NET_INTERFACE	YES	YES *1
NET_IPV4_BOOTMETHOD	YES	YES

NET_STATIC_IPV4ADDRESS	YES	YES
NET_SUBNETMASK	YES	YES
NET_GATEWAY	YES	YES
NET_DNS_IPV4_BOOTMETHOD	YES	YES
NET_PRIMARY_DNS_IPV4ADDRESS	YES	YES
NET_SECOND_DNS_IPV4ADDRESS	YES	YES
NET_NODENAME	YES	YES
WIRELESSDIRECT_KEY_CREATE_MODE	YES	YES *1
WIRELESSDIRECT_SSID	YES	YES *1
WIRELESSDIRECT_NETWORK_KEY	YES *1	YES *1
PRINTER_POWEROFFTIME	YES	YES
PRINTER_POWEROFFTIME_BATTERY	YES	YES

*1: Write only

QL-820NWB

PrinterSettingItem	USB	Bluetooth	Network
NET_BOOTMODE	YES	YES	YES *1
NET_INTERFACE	YES	YES	YES *1
NET_IPV4_BOOTMETHOD	YES	YES	YES
NET_STATIC_IPV4ADDRESS	YES	YES	YES
NET_SUBNETMASK	YES	YES	YES
NET_GATEWAY	YES	YES	YES
NET_DNS_IPV4_BOOTMETHOD	YES	YES	YES
NET_PRIMARY_DNS_IPV4ADDRESS	YES	YES	YES
NET_SECOND_DNS_IPV4ADDRESS	YES	YES	YES
NET_NODENAME	YES	YES	YES
WIRELESSDIRECT_KEY_CREATE_MODE	YES	YES	YES *1
WIRELESSDIRECT_SSID	YES	YES	YES *1
WIRELESSDIRECT_NETWORK_KEY	YES	YES	YES *1
BT_ISDISCOVERABLE	YES	YES	YES
BT_DEVICENAME	YES	YES	YES
BT_BOOTMODE	YES	YES	YES
BT_AUTO_CONNECTION	YES	YES	YES *1
PRINTER_POWEROFFTIME	YES	YES	YES
PRINTER_POWEROFFTIME_BATTERY	YES	YES	YES

*1: Write only

QL-1110NWB/QL-1115NWB

PrinterSettingItem	USB	Bluetooth	Network
NET_BOOTMODE	YES	YES	YES *1
NET_INTERFACE	YES	YES	YES *1

NET_IPV4_BOOTMETHOD	YES	YES	YES
NET_STATIC_IPV4ADDRESS	YES	YES	YES
NET_SUBNETMASK	YES	YES	YES
NET_GATEWAY	YES	YES	YES
NET_DNS_IPV4_BOOTMETHOD	YES	YES	YES
NET_PRIMARY_DNS_IPV4ADDRESS	YES	YES	YES
NET_SECOND_DNS_IPV4ADDRESS	YES	YES	YES
NET_NODENAME	YES	YES	YES
WIRELESSDIRECT_KEY_CREATE_MODE	YES	YES	YES *1
WIRELESSDIRECT_SSID	YES	YES	YES *1
WIRELESSDIRECT_NETWORK_KEY	YES	YES	YES *1
BT_ISDISCOVERABLE	YES	YES	YES
BT_DEVICENAME	YES	YES	YES
BT_BOOTMODE	YES	YES	YES
BT_AUTO_CONNECTION	YES	YES	YES *1
PRINTER_POWEROFFTIME	YES	YES	YES
PRINTER_POWEROFFTIME_BATTERY *2	YES	YES	YES

*1: Write only *2: Battery model only

MW-145MFi/260 Type A/260MFi

PrinterSettingItem	USB	Bluetooth
BT_AUTO_CONNECTION	YES	YES

RJ-4230B

PrinterSettingItem	USB	Bluetooth	BLE
BT_ISDISCOVERABLE	YES	YES	YES
BT_DEVICENAME	YES	YES	YES
BT_BOOTMODE	YES	YES	YES
BT_AUTO_CONNECTION	YES	YES	YES
PRINTER_POWEROFFTIME	YES	YES	YES
PRINT_DENSITY	YES	YES	YES
PRINT_SPEED	YES	YES	YES
PRINT_JPEG_HALFTONE	YES	YES	YES

RJ-4250WB

PrinterSettingItem	USB	Bluetooth	BLE	Network
NET_BOOTMODE	YES	YES	YES	YES(W)
NET_INTERFACE	YES	YES	YES	YES(W)
NET_IPV4_BOOTMETHOD	YES	YES	YES	YES
NET_STATIC_IPV4ADDRESS	YES	YES	YES	YES
NET_SUBNETMASK	YES	YES	YES	YES
NET_GATEWAY	YES	YES	YES	YES
NET_DNS_IPV4_BOOTMETHOD	YES	YES	YES	YES

NET_PRIMARY_DNS_IPV4ADDRESS	YES	YES	YES	YES
NET_SECOND_DNS_IPV4ADDRESS	YES	YES	YES	YES
NET_COMMUNICATION_MODE	YES	YES	YES	YES(W)
NET_SSID	YES	YES	YES	YES(W)
NET_CHANNEL	YES(R)	YES(R)	YES(R)	YES(R)
NET_AUTHENTICATION_METHOD	YES(W)	YES(W)	YES(W)	YES(W)
NET_ENCRYPTIONMODE	YES	YES	YES	YES(W)
NET_WEPKEY	YES(W)	YES(W)	YES(W)	YES(W)
NET_USER_ID	YES	YES	YES	YES(W)
NET_PASSWORD	YES	YES	YES	YES(W)
NET_NODENAME	YES	YES	YES	YES
WIRELESSDIRECT_KEY_CREATE_MODE	YES	YES	YES	YES(W)
WIRELESSDIRECT_SSID	YES	YES	YES	YES(W)
WIRELESSDIRECT_NETWORK_KEY	YES(W)	YES(W)	YES(W)	YES(W)
BT_ISDISCOVERABLE	YES	YES	YES	YES
BT_DEVICENAME	YES	YES	YES	YES
BT_BOOTMODE	YES	YES	YES	YES
BT_AUTO_CONNECTION	YES	YES	YES	YES(W)
PRINTER_POWEROFFTIME	YES	YES	YES	YES
PRINT_JPEG_HALFTONE	YES	YES	YES	YES(W)
PRINT_DENSITY	YES	YES	YES	YES(W)
PRINT_SPEED	YES	YES	YES	YES(W)

YES(W) : Write only

YES(R) : Read only

4.3. com.brother.ptouch.sdk.PrinterStatus Class

Fields		
Type	Variable Name	Detail
ErrorCode	errorCode	Error code

4.4.com.brother.ptouch.sdk.BluetoothPreference Class

4.4.1.Member Variable

Fields		
Type	Variable Name	Detail
SSP	enabledSsp	Enable / disable of Secure Simple Pairing The default value is NOCHANGE.
PowerSaveMode	powerMode	The power-saving settings can be specified. The default value is NOCHANGE.

4.4.1.1. SSP

Secure Simple Pairing

enum SSP	
ENABLE	Enable Secure Simple Pairing(SSP)
DISABLE	Disable Secure Simple Pairing(SSP) When SSP is disabled, PIN code input and encryption is enabled for MW-145BT.
NOCHANGE	Not change If changing SSP setting is not intended, NOCHANGE should be set.

4.4.1.2.PowerSaveMode

Power-saving mode

enum PowerSaveMode	
CONNECTION_MODE	Connection time priority
STANDARD_MODE	Standard
ECO_MODE	Power-saving mode priority
NOCHANGE	Not change If changing PowerSaveMode is not intended, NOCHANGE should be set.